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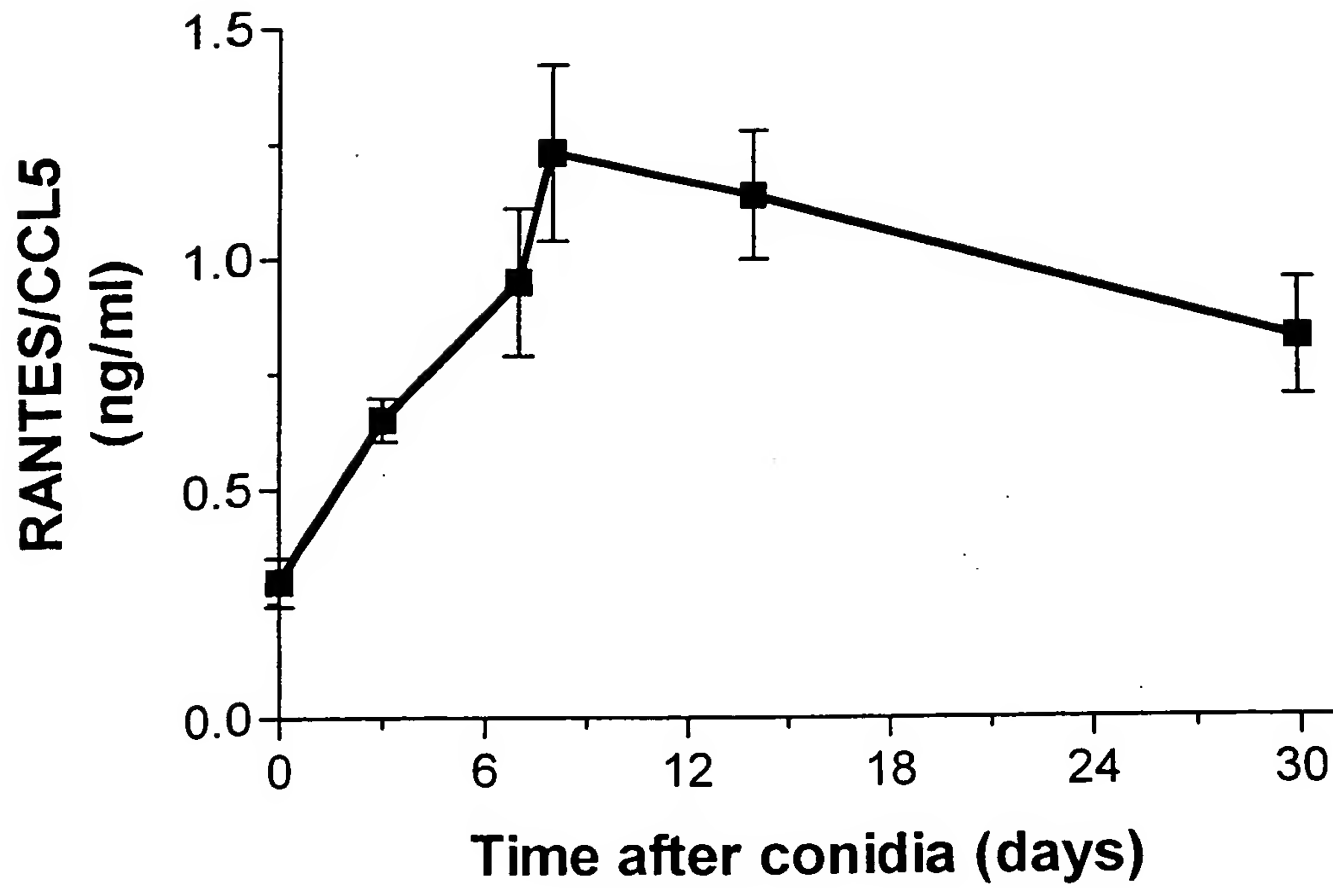


FIG. 1

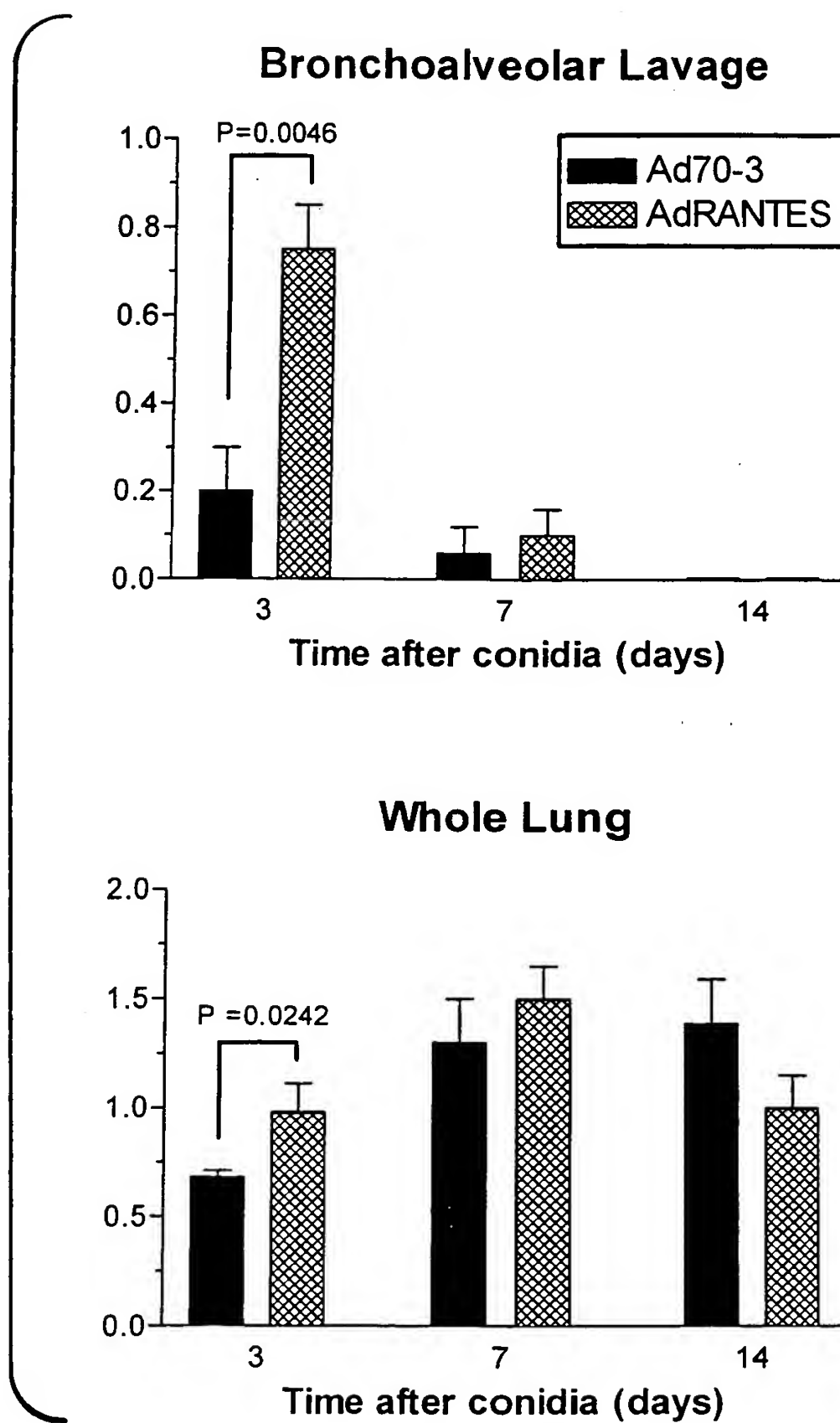


FIG. 2

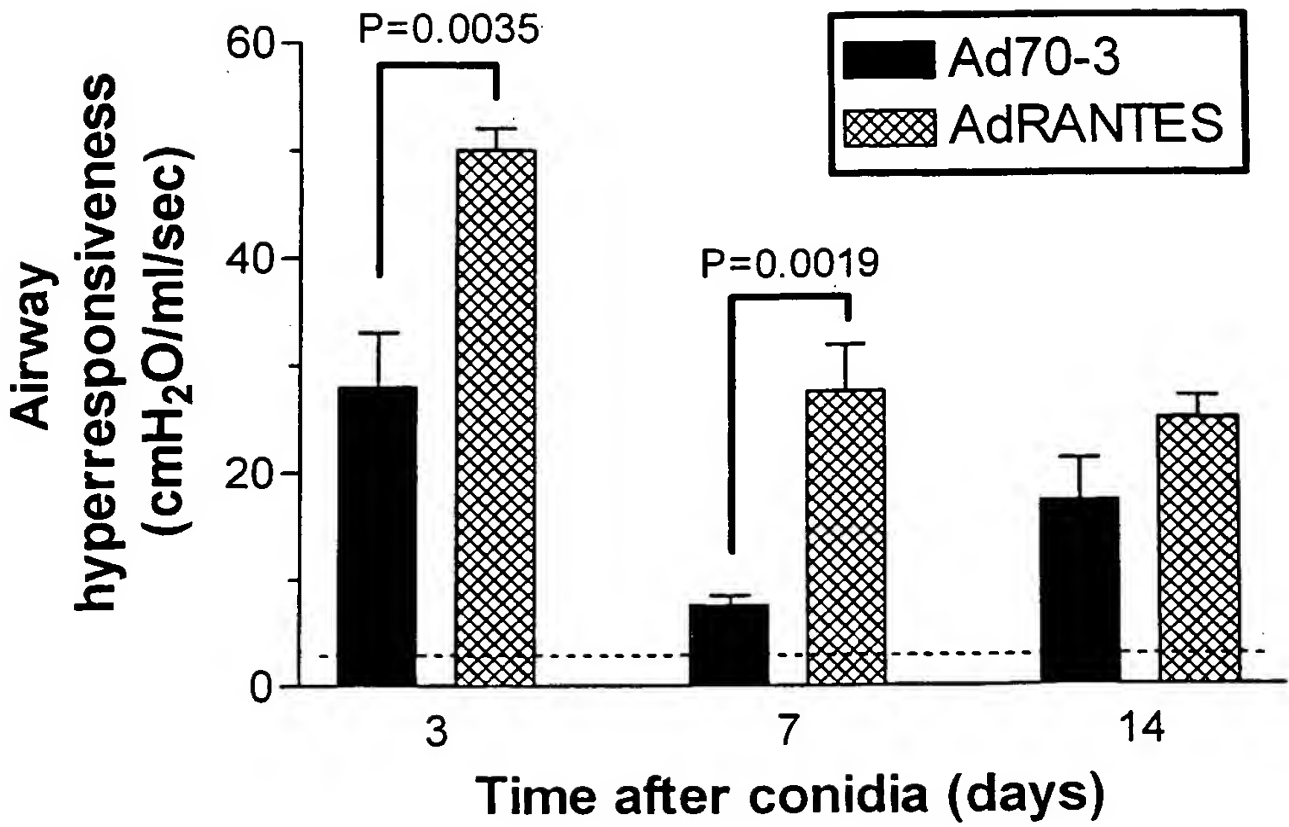


FIG. 3

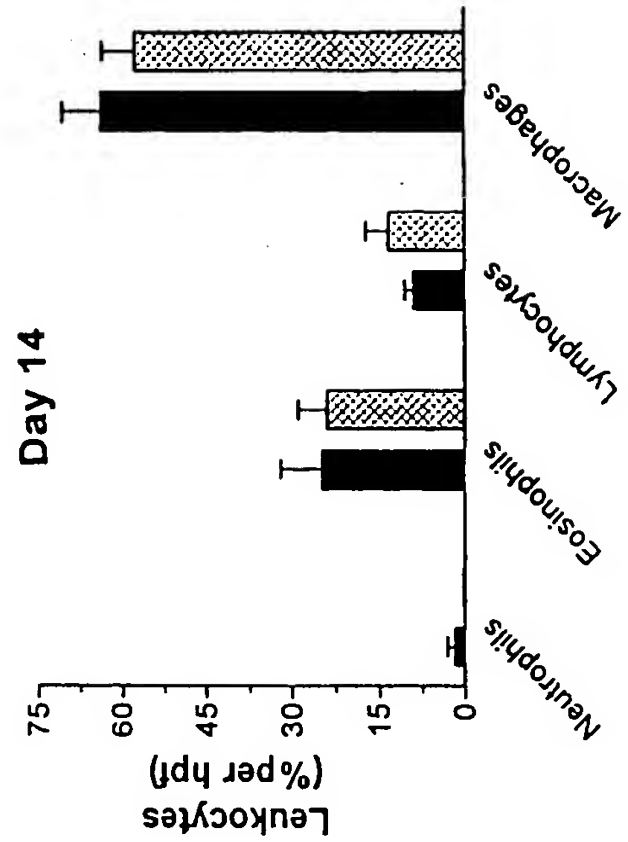
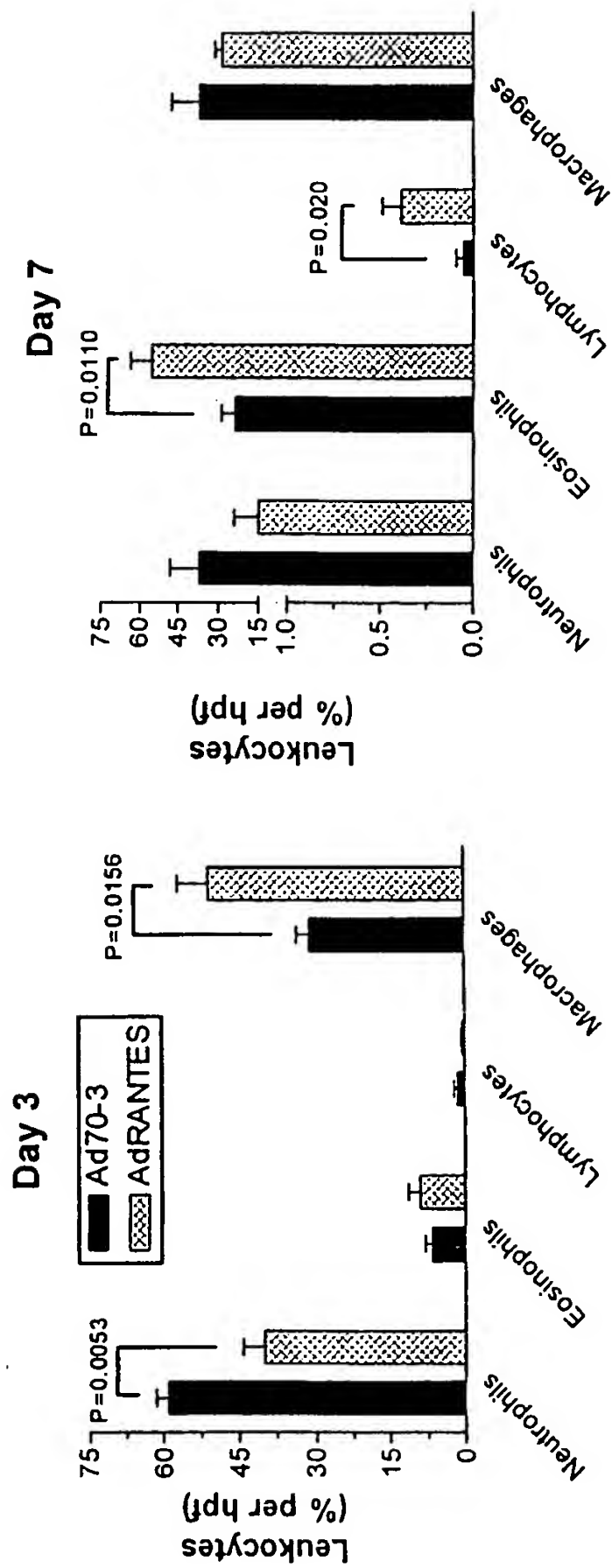


FIG. 4

FIG. 5A

FIG. 5B

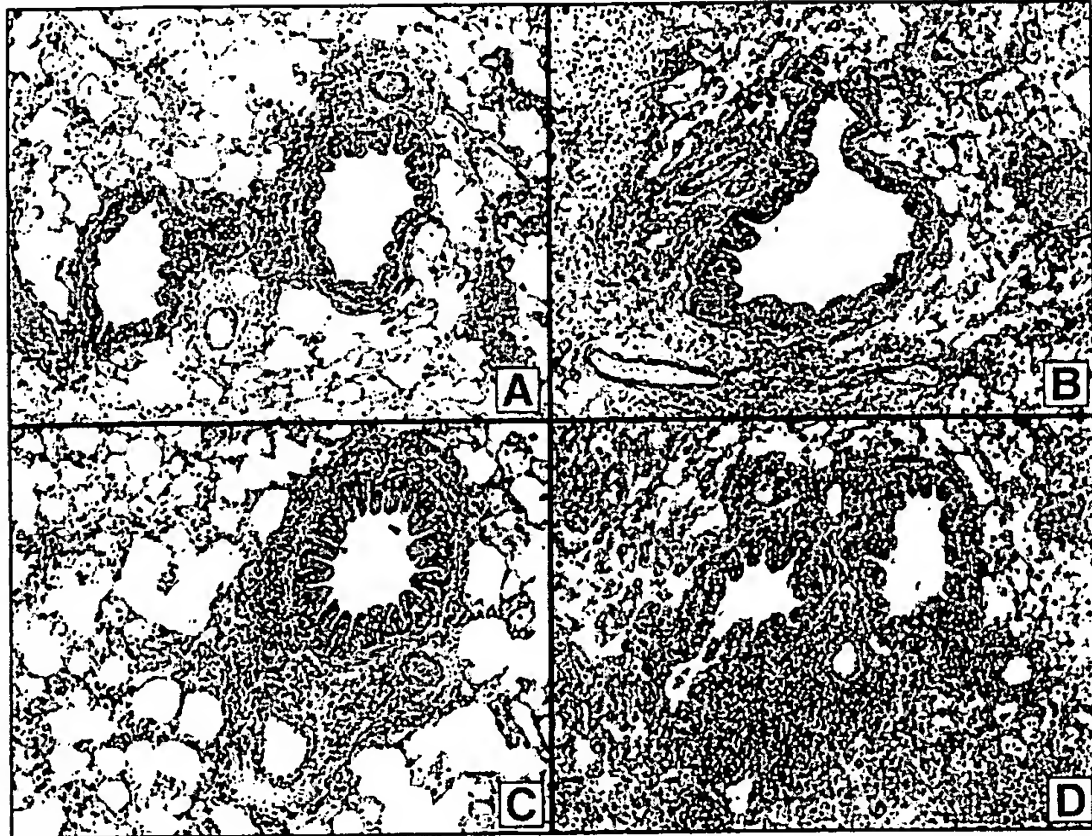


FIG. 5C

FIG. 5D

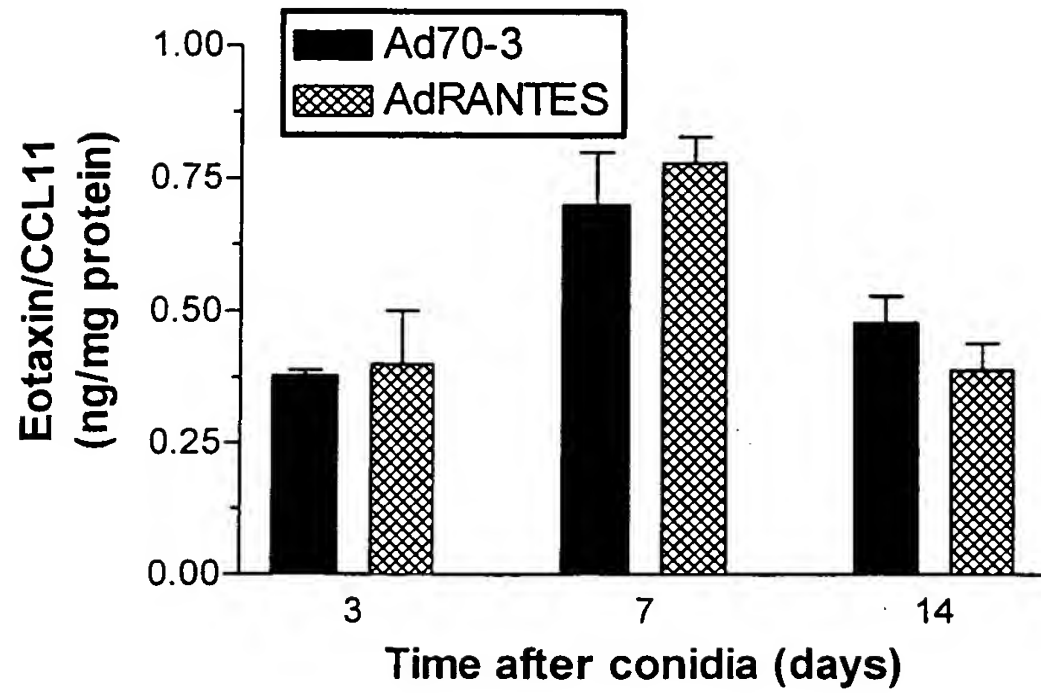


FIG. 6A

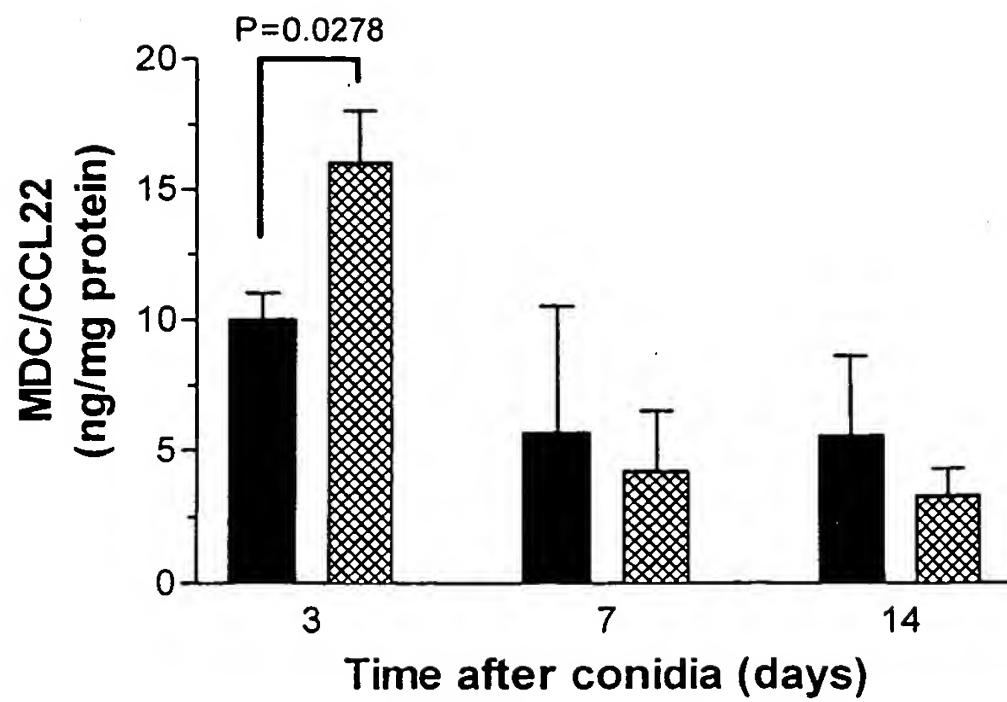


FIG. 6B

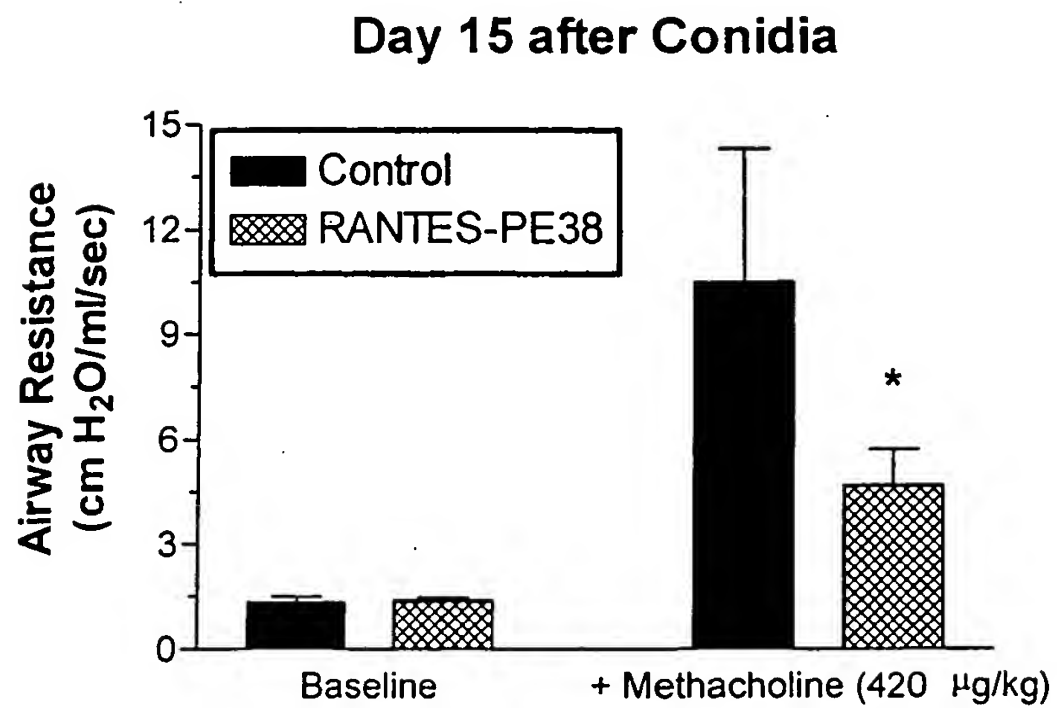


FIG. 7A

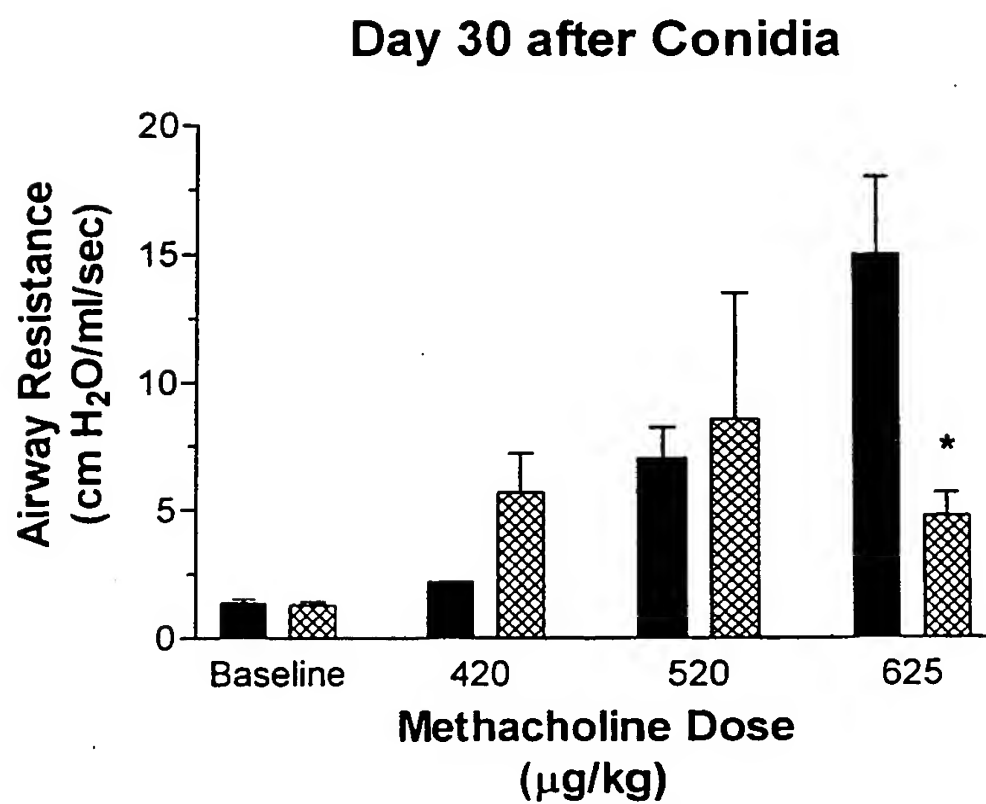


FIG. 7B

FIG. 8A

FIG. 8B

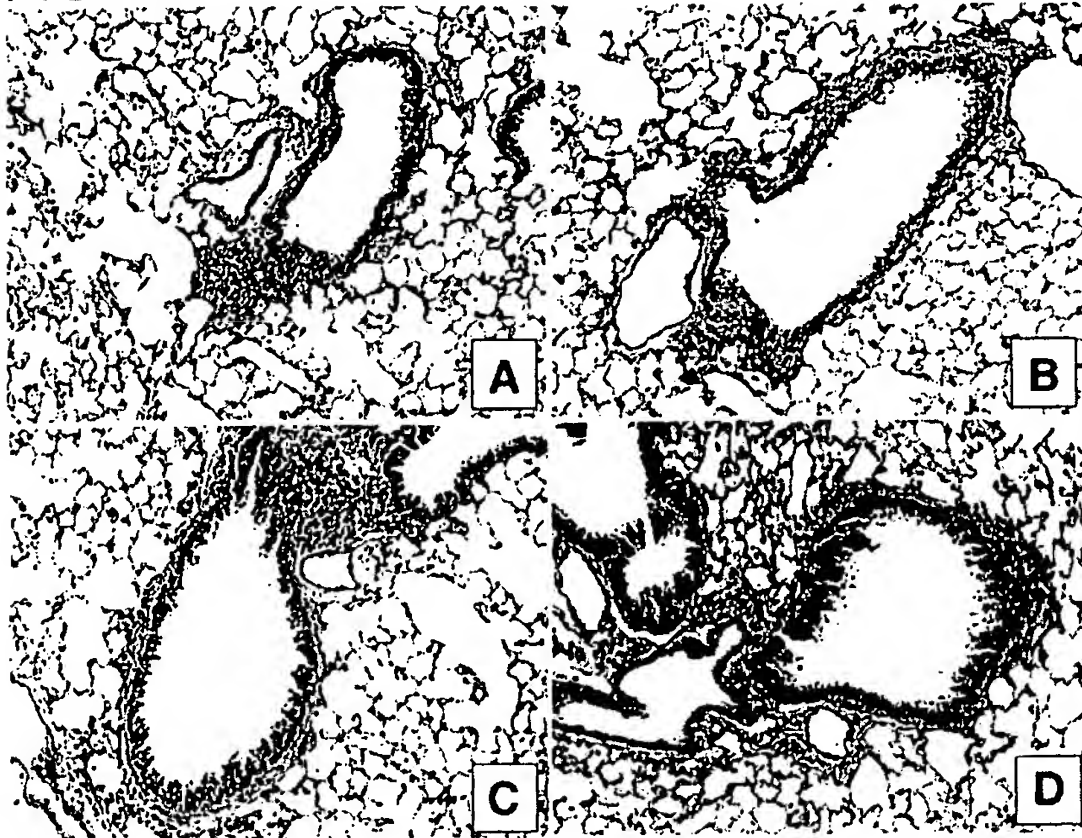


FIG. 8C

FIG. 8D

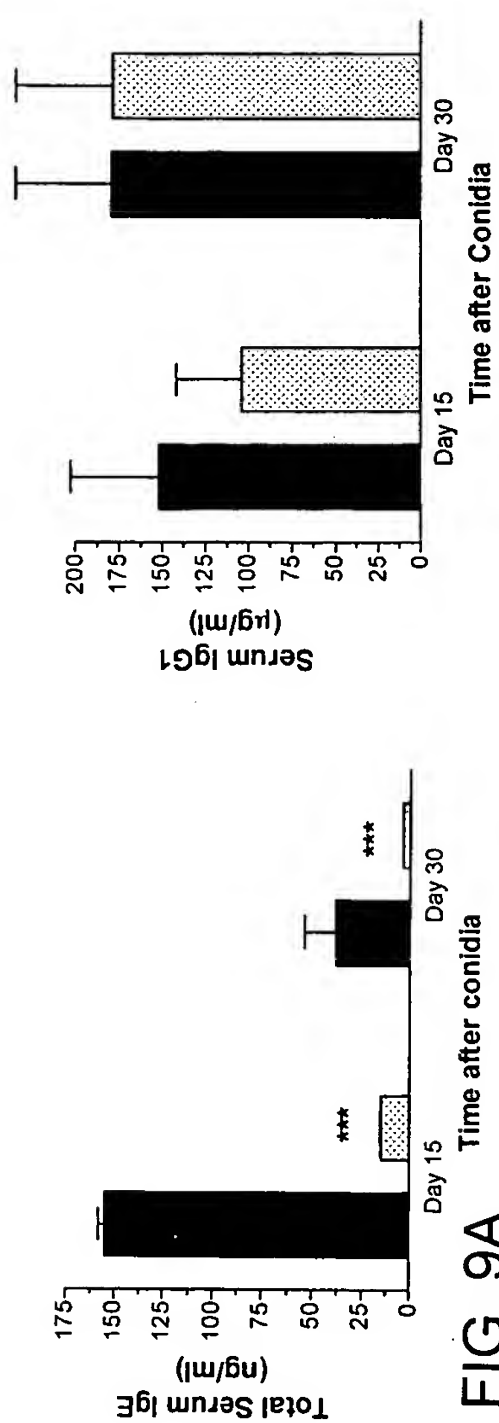
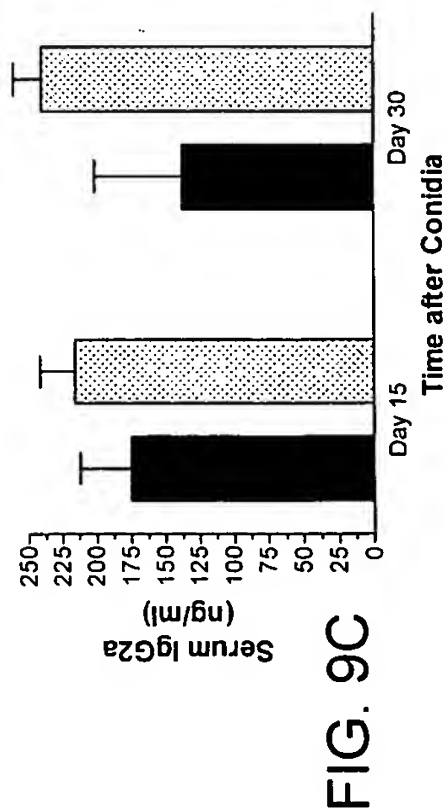
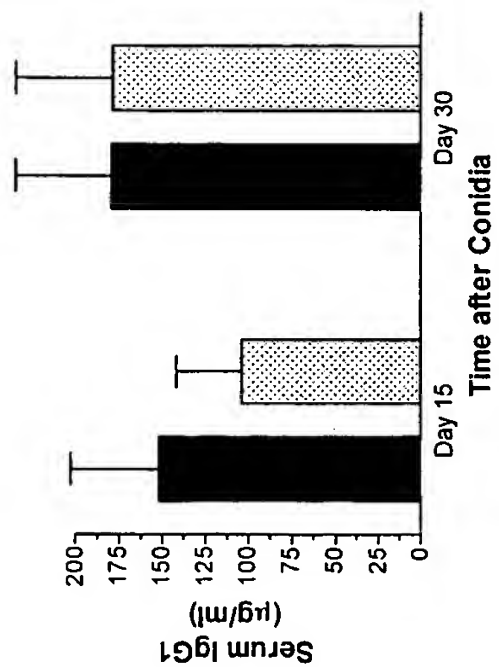
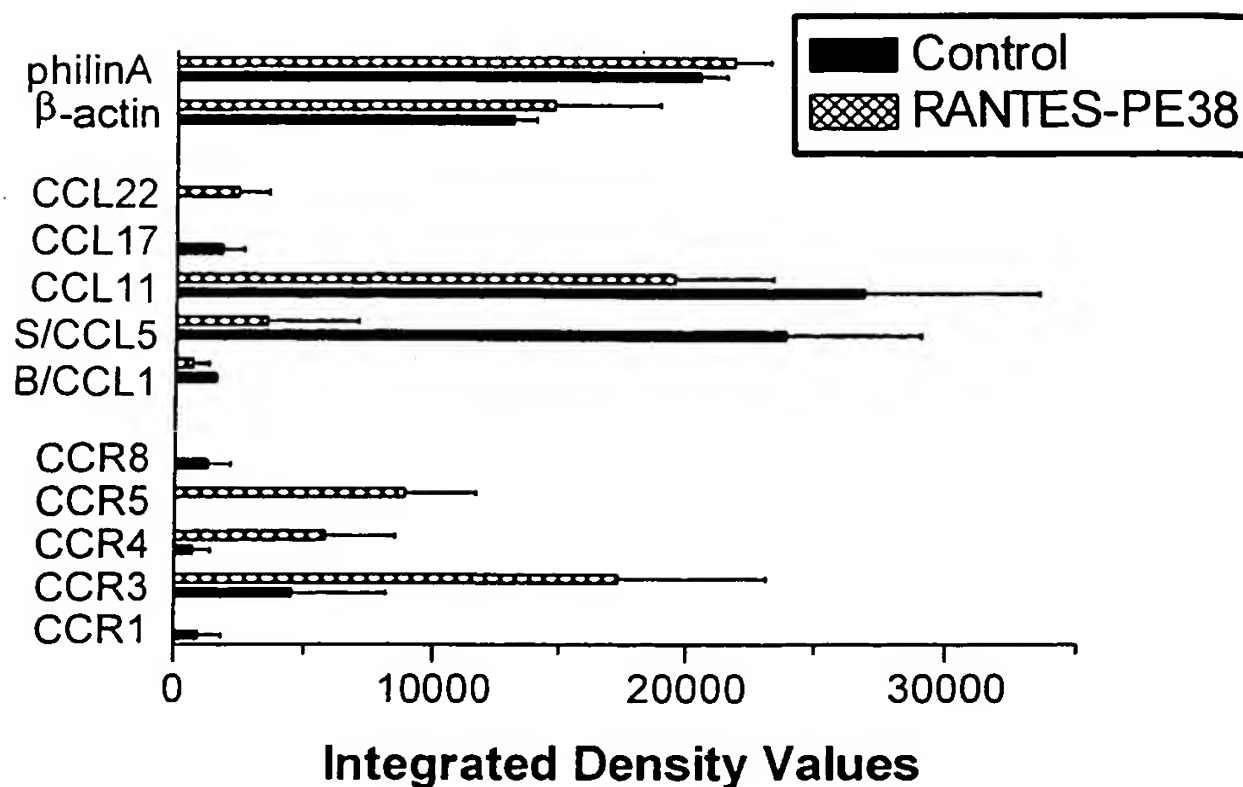


FIG. 9B



Day 15 after Conidia



Day 30 after Conidia

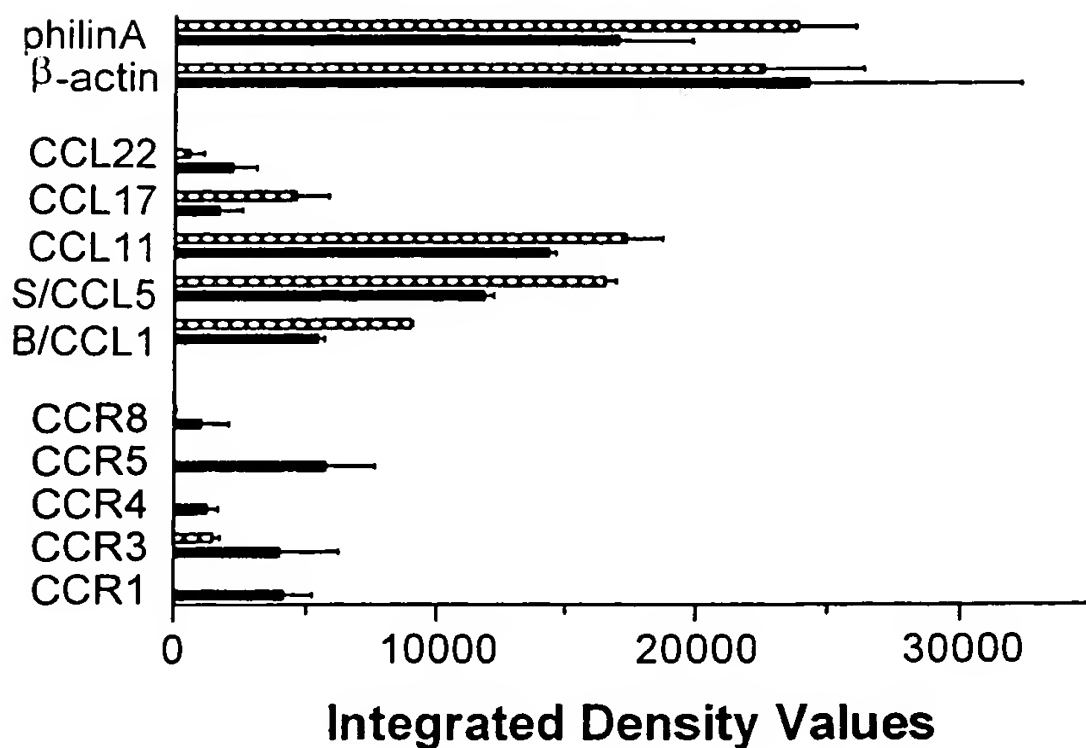


FIG. 10

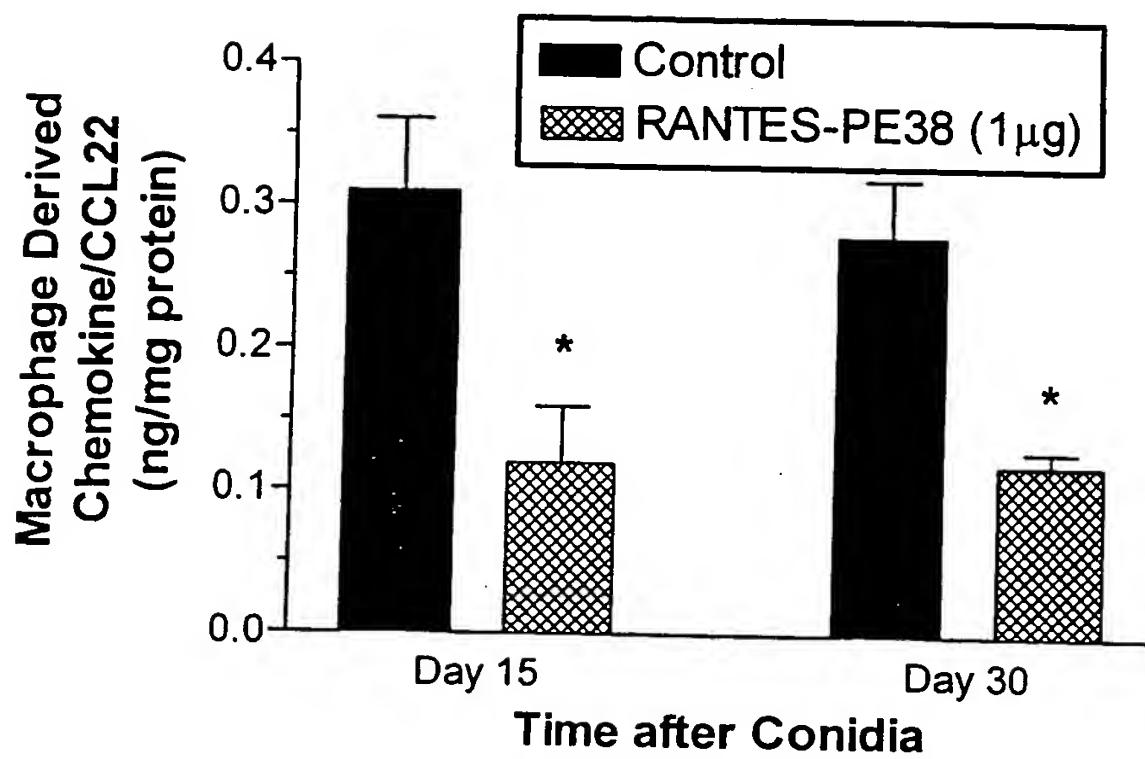


FIG. 11A

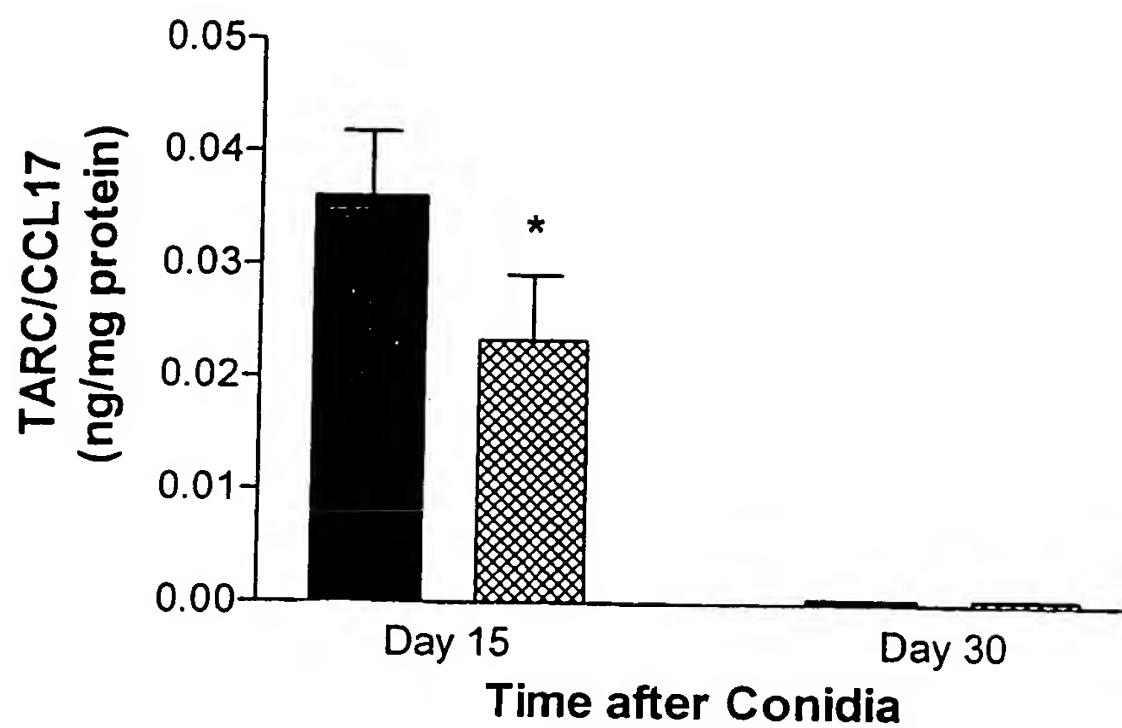


FIG. 11B

FIG. 12A



FIG. 12B



FIG. 12C



FIG. 12D

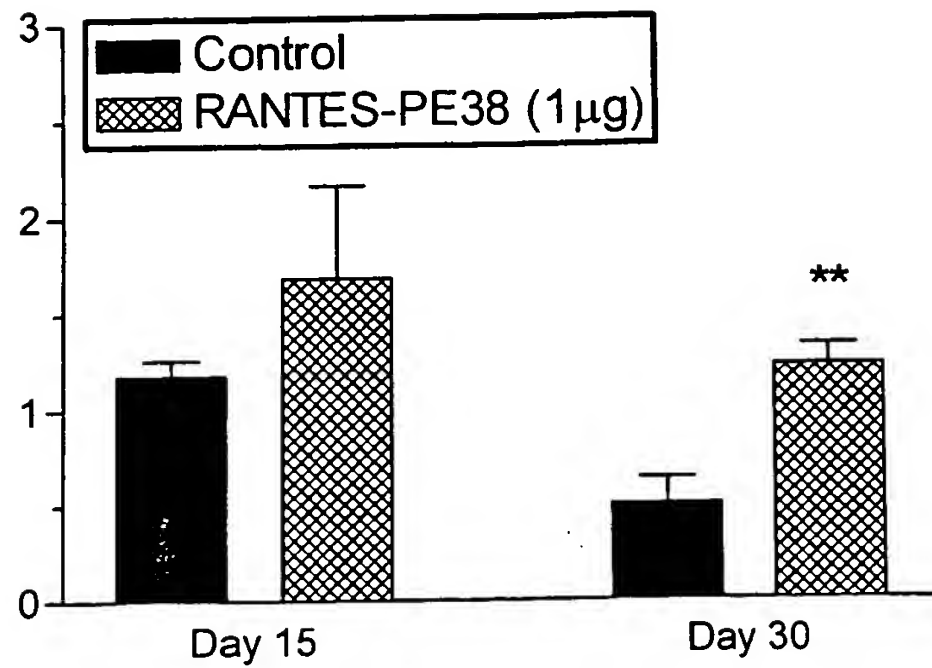


FIG. 13A

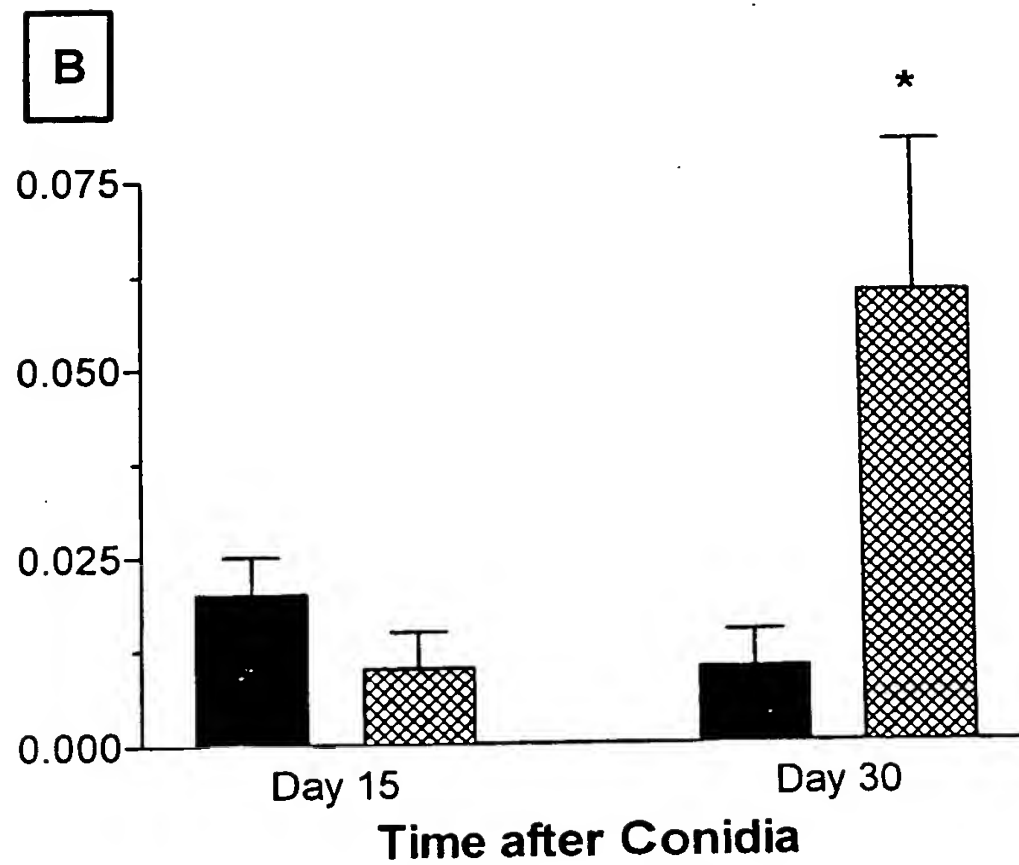
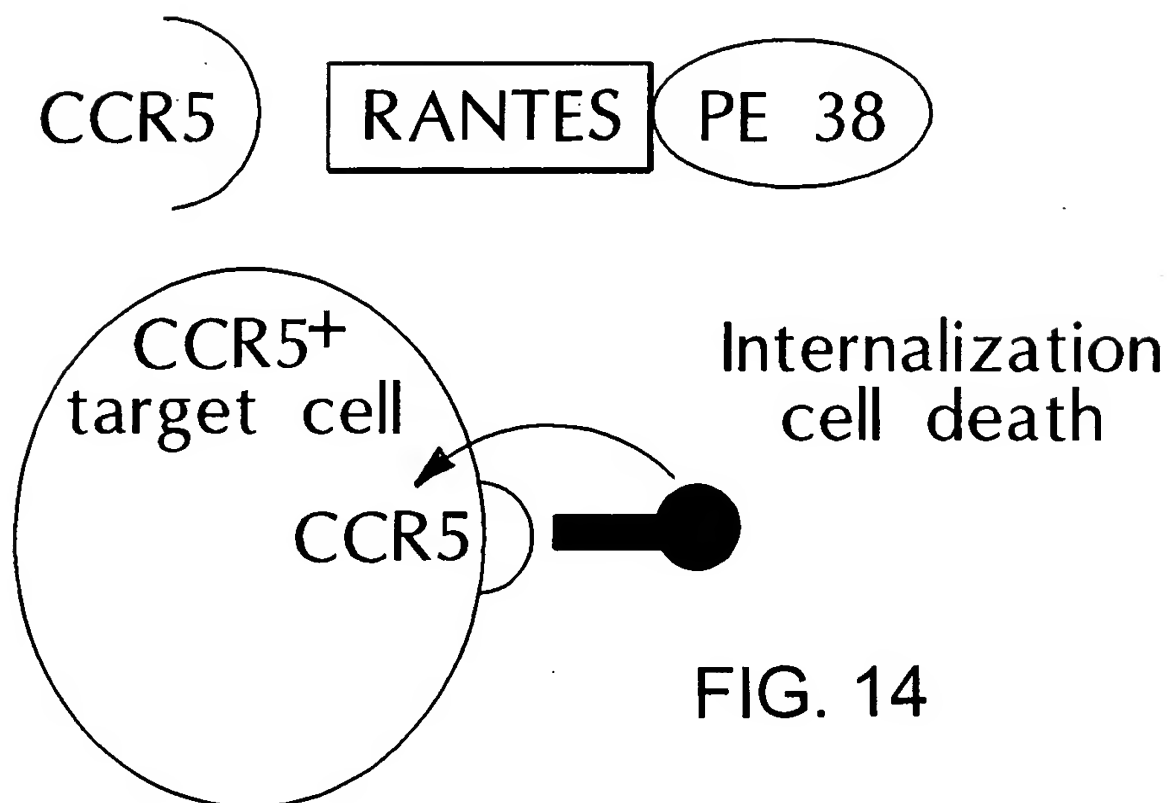


FIG. 13B



| | |
|---|-----|
| tcc cca tat tcc tcg gac acc aca ccc tgc tgc ttt gcc tac att gcc | 48 |
| Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala | |
| 1 5 10 15 | |
| cgc cca ctg ccc cgt gcc cac atc aag gag tat ttc tac acc agt ggc | 96 |
| Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly | |
| 20 25 30 | |
| aag tgc tcc aac cca gca gtc gtc ttt gtc acc cga aag aac cgc caa | 144 |
| Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Arg Lys Asn Arg Gln | |
| 35 40 45 | |
| gtg tgt gcc aac cca gag aag aaa tgg gtt cgg gag tac atc aac tct | 192 |
| Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser | |
| 50 55 60 | |
| ttg gag atg tcc gga ggc ggc agc ctg gcc gcg ctg acc gcg cac cag | 240 |
| Leu Glu Met Ser Gly Gly Gly Ser Leu Ala Ala Leu Thr Ala His Gln | |
| 65 70 75 80 | |
| gct tgc cac ctg ccg ctg gag act ttc acc cgt cat cgc cag ccg cgc | 288 |
| Ala Cys His Leu Pro Leu Glu Thr Phe Thr Arg His Arg Gln Pro Arg | |
| 85 90 95 | |
| ggc tgg gaa caa ctg gag cag tgc ggc tat ccg gtg cag cgg ctg gtc | 336 |
| Gly Trp Glu Gln Leu Glu Gln Cys Gly Tyr Pro Val Gln Arg Leu Val | |
| 100 105 110 | |
| gcc ctc tac ctg gcg gcg cgg ctg tcg tgg aac cag gtc gac cag gtg | 384 |
| Ala Leu Tyr Leu Ala Ala Arg Leu Ser Trp Asn Gln Val Asp Gln Val | |
| 115 120 125 | |
| atc cgc aac gcc ctg gcc agc ccc ggc agc ggc ggc gac ctg ggc gaa | 432 |
| Ile Arg Asn Ala Leu Ala Ser Pro Gly Ser Gly Gly Asp Leu Gly Glu | |
| 130 135 140 | |
| gcg atc cgc gag cag ccg gag cag gcc cgt ctg gcc ctg acc ctg gcc | 480 |
| Ala Ile Arg Glu Gln Pro Glu Gln Ala Arg Leu Ala Leu Thr Leu Ala | |
| 145 150 155 160 | |
| gcc gcc gag agc gag cgc ttc gtc cgg cag ggc acc ggc aac gac gag | 528 |
| Ala Ala Glu Ser Glu Arg Phe Val Arg Gln Gly Thr Gly Asn Asp Glu | |
| 165 170 175 | |
| gcc ggc gcg gcc aac ggc ccg gcg gac agc ggc gac gcc ctg ctg gag | 576 |
| Ala Gly Ala Ala Asn Gly Pro Ala Asp Ser Gly Asp Ala Leu Leu Glu | |
| 180 185 190 | |

FIG. 15A

| | |
|---|------|
| cgc aac tat ccc act ggc gcg gag ttc ctc ggc gac ggc ggc gac gtc | 624 |
| Arg Asn Tyr Pro Thr Gly Ala Glu Phe Leu Gly Asp Gly Gly Asp Val | |
| 195 200 205 | |
| agc ttc agc acc cgc ggc acg cag aac tgg acg gtg gag cgg ctg ctc | 672 |
| Ser Phe Ser Thr Arg Gly Thr Gln Asn Trp Thr Val Glu Arg Leu Leu | |
| 210 215 220 | |
| cag gcg cac cgc caa ctg gag gag cgc ggc tat gtg ttc gtc ggc tac | 720 |
| Gln Ala His Arg Gln Leu Glu Glu Arg Gly Tyr Val Phe Val Gly Tyr | |
| 225 230 235 240 | |
| cac ggc acc ttc ctc gaa gcg gcg caa agc atc gtc ttc ggc ggg gtg | 768 |
| His Gly Thr Phe Leu Glu Ala Ala Gln Ser Ile Val Phe Gly Gly Val | |
| 245 250 255 | |
| cgc gcg cgc agc cag gac ctc gac gcg atc tgg cgc ggt ttc tat atc | 816 |
| Arg Ala Arg Ser Gln Asp Leu Asp Ala Ile Trp Arg Gly Phe Tyr Ile | |
| 260 265 270 | |
| gcc ggc gat ccg gcg ctg gcc tac ggc tac gcc cag gac cag gaa ccc | 864 |
| Ala Gly Asp Pro Ala Leu Ala Tyr Gly Tyr Ala Gln Asp Gln Glu Pro | |
| 275 280 285 | |
| gac gca cgc ggc cgg atc cgc aac ggt gcc ctg ctg cgg gtc tat gtg | 912 |
| Asp Ala Arg Gly Arg Ile Arg Asn Gly Ala Leu Leu Arg Val Tyr Val | |
| 290 295 300 | |
| ccg cgc tcg agc ctg ccg ggc ttc tac cgc acc agc ctg acc ctg gcc | 960 |
| Pro Arg Ser Ser Leu Pro Gly Phe Tyr Arg Thr Ser Leu Thr Leu Ala | |
| 305 310 315 320 | |
| gcg ccg gag gcg gcg ggc gag gtc gaa cgg ctg atc ggc cat ccg ctg | 1008 |
| Ala Pro Glu Ala Ala Gly Glu Val Glu Arg Leu Ile Gly His Pro Leu | |
| 325 330 335 | |
| ccg ctg cgc ctg gac gcc atc acc ggc ccc gag gag gaa ggc ggg cgc | 1056 |
| Pro Leu Arg Leu Asp Ala Ile Thr Gly Pro Glu Glu Glu Gly Gly Arg | |
| 340 345 350 | |
| ctg gag acc att ctc ggc tgg ccg ctg gcc gag cgc acc gtg gtg att | 1104 |
| Leu Glu Thr Ile Leu Gly Trp Pro Leu Ala Glu Arg Thr Val Val Ile | |
| 355 360 365 | |
| ccc tcg gcg atc ccc acc gac ccg cgc aac gtc ggc ggc gac ctc gac | 1152 |
| Pro Ser Ala Ile Pro Thr Asp Pro Arg Asn Val Gly Gly Asp Leu Asp | |
| 370 375 380 | |

FIG. 15B

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| ccg | tcc | agc | atc | ccc | gac | aag | gaa | cag | gcg | atc | agc | gcc | ctg | ccg | gac | 1200 |
| Pro | Ser | Ser | Ile | Pro | Asp | Lys | Glu | Gln | Ala | Ile | Ser | Ala | Leu | Pro | Asp | |
| 385 | | | | | 390 | | | | | 395 | | | | | 400 | |
| | | | | | | | | | | | | | | | | |
| tac | gcc | agc | cag | ccc | ggc | aaa | ccg | ccg | cgc | gag | gac | ctg | aag | taa | | 1245 |
| Tyr | Ala | Ser | Gln | Pro | Gly | Lys | Pro | Pro | Arg | Glu | Asp | Leu | Lys | | | |

FIG. 15C

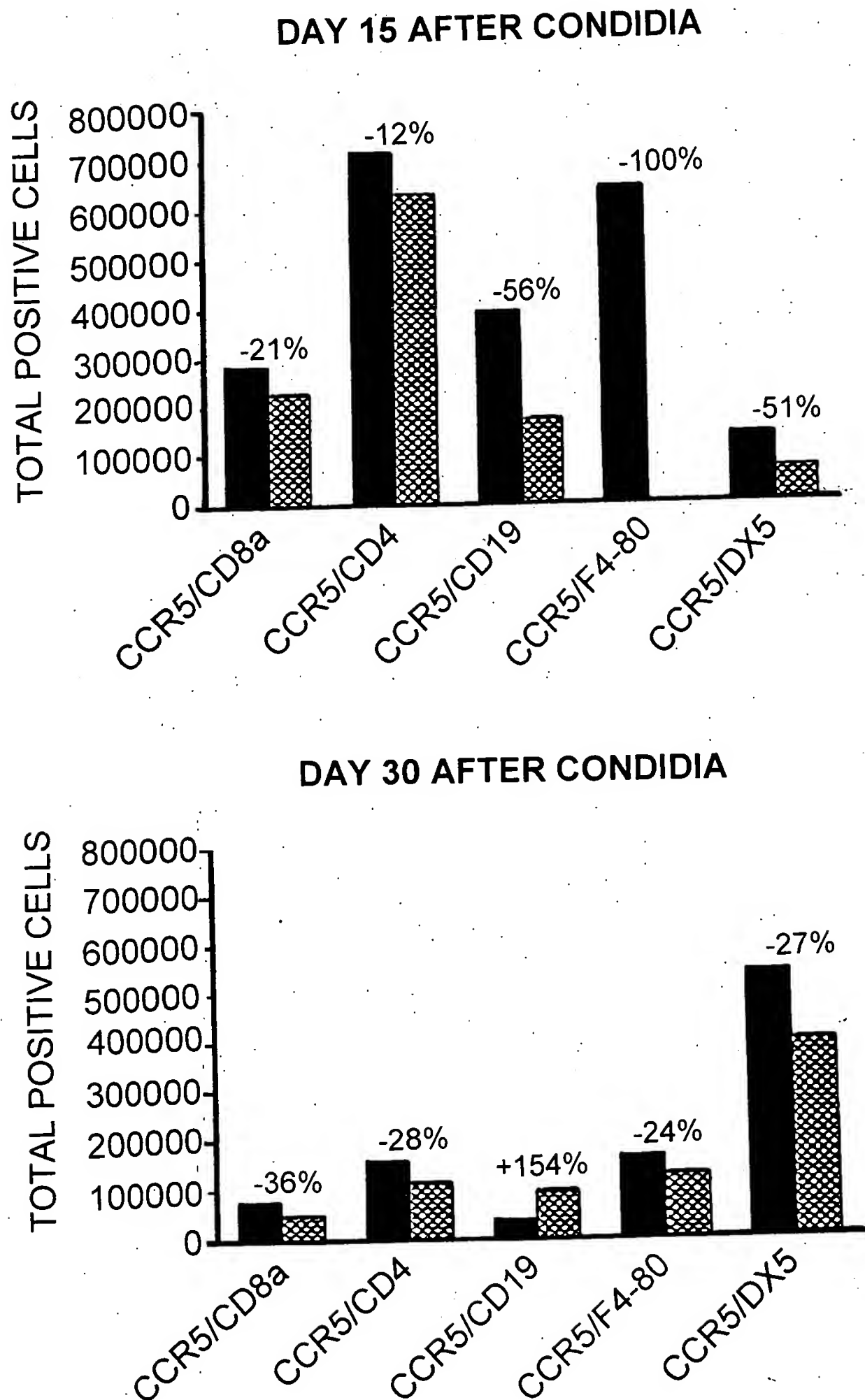


FIG. 16

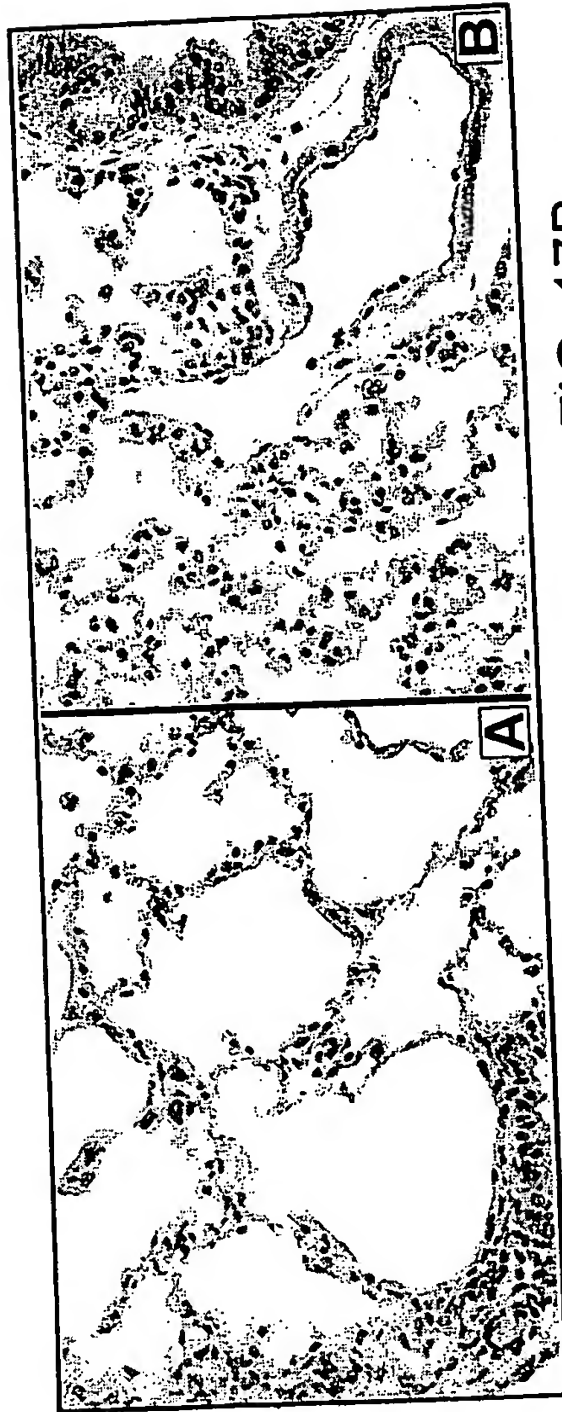


FIG. 17B

FIG. 17A